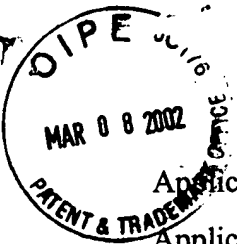


COPY OF PAPERS
ORIGINALLY FILED

PATENT APPLICATION
Docket No.: 2825.1013-002

\$1636



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

Applicant: Hiten D. Madhani
Application No.: 09/439,969 Group: 1636
Filed: November 12, 1999 Examiner: G. Leffers, Jr.
For: Targets of the Map Kinase Pathway in the Developmental Switch in Yeast

#12

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>2/12/02</u>	<u>Stephanie L. Carta</u>
Date	Signature
Stephanie L. Carta	
Typed or printed name of person signing certificate	

REQUEST FOR CORRECTION/AMENDMENT OF INVENTORSHIP

UNDER 37 C.F.R. § 1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant requests that the inventorship be corrected and the above-captioned application, including page 1 of the specification, be amended to add Eric S. Lander as inventor. With such amendment, Hiten D. Madhani and Eric S. Lander are the joint inventors of the subject application.

Enclosed herewith are the following documents: Statement under 37 CFR §1.48(a)(2) by Eric S. Lander; an executed Declaration by the actual inventors as required by §1.63; Written Consent of the Assignee to the inventorship change with Certificate under §3.73(b); and a check in the amount of \$130.00 in payment of the processing fee as set forth in §1.17(i).

Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

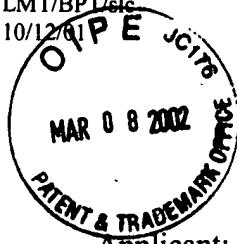
Respectfully submitted,
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Lisa M. Treannie
Lisa M. Treannie
Registration No.: 41,368
Telephone: (978) 341-0036
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Date:

2/12/02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

Applicant: Hiten D. Madhani
Application No.: 09/439,969 Group: 1636
Filed: November 12, 1999 Examiner: G. Leffers, Jr.
For: Targets of the Map Kinase Pathway in the Developmental Switch in Yeast

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>2/12/02</u>	<u>Stephanie L. Carta</u>
Date	Signature
Stephanie L. Carta	
Typed or printed name of person signing certificate	

STATEMENT UNDER 37 C.F.R. § 1.48(a)(2) BY ERIC S. LANDER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Eric S. Lander, hereby state that I am a co-inventor with Hiten D. Madhani of the subject matter claimed in the above-captioned application as filed. The error of omitting my name as a co-inventor occurred without deceptive intention on my part.

Name

Eric S. Lander

Date

18 Dec 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

MAR 14 2002

Applicant: Hiten D. Madhani

Application No.: 09/439,969

Group: 1636

Filed: November 12, 1999

Examiner: G. Leffers, Jr.

TECH CENTER 1600/2900

For: Targets of the Map Kinase Pathway in the Developmental Switch in Yeast

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>2/12/02</u>	<u>Stephanie L. Carta</u>
Date	Signature
Stephanie L. Carta	
Typed or printed name of person signing certificate	

WRITTEN CONSENT OF ASSIGNEE IN CORRECTION OF INVENTORSHIP

UNDER 37 C.F.R. §1.48(a)(5)

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Whitehead Institute for Biomedical Research is the assignee of the entire right, title and interest in the referenced patent application and does hereby consent to the addition of Eric S. Lander as an inventor in the application.

A Certificate under 37 C.F.R. § 3.73(b) is being filed concurrently with this Written Consent.

Respectfully submitted,

By Patricia Granahan
Patricia Granahan, Esq.
Intellectual Property Manager
Whitehead Institute for Biomedical Research

Cambridge, Massachusetts 02142

Date: December 2, 2001



CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

**COPY OF PAPERS
ORIGINALLY FILED**

Applicant: Hitesh Madhani

Application No.: 09/439,969

Filed: November 12, 1999

For: Targets of the Map Kinase Pathway in the Developmental Switch in Yeast

Whitehead Institute for Biomedical Research, a

non-profit research institution

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above.
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above. A separate Certificate under 37 CFR § 3.73(b) is attached.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 011017, Frames 0354-0356, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: December 2, 2001

Name: Patricia Granahan, Esq.

Title: Intellectual Property Manager

Signature: Patricia Granahan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

Substitute Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

TARGETS OF THE MAP KINASE PATHWAY IN THE DEVELOPMENTAL SWITCH IN YEAST

the specification of which (check one)

☐ is attached hereto.☒ was filed on November 12, 1999 as United States ApplicationNumber or PCT International Application No. 09/439,969

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/108,399
(Application Number)November 13, 1998
(Filing Date)60/114,849
(Application Number)January 6, 1999
(Filing Date)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the attorneys and/or agents associated with
Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133,
Customer No. 21005,

and _____,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to:

☒ **Customer No. 21005**
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
530 Virginia Road
P.O. Box 9133
Concord, MA 01742-9133

or

☐ **Address as follows:**

Direct telephone calls to: Lisa M. Treannie, Esq. Telephone No.: 978-341-0036

Direct facsimiles to: Lisa M. Treannie, Esq. Facsimile No.: 978-341-0136

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 Full name of sole

or first inventor Hiten D. Madhani

Inventor's Signature Hiten D. Madhani Date 11-6-01

Residence 216 Downey Street

San Francisco, California 94117

Citizenship United States of America

Post Office Address same as above

Full name of second joint

inventor, if any Eric S. Lander

Inventor's Signature _____ Date _____

Residence 151 Bishop Allen Drive

Cambridge, Massachusetts 02139

Citizenship United States of America

Mailing Address same as above

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Substitute Declaration for Patent Application

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900



I, as a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

TARGETS OF THE MAP KINASE PATHWAY IN THE DEVELOPMENTAL SWITCH IN YEAST

the specification of which (check one)

☐ is attached hereto.

COPY OF PAPERS
ORIGINALLY FILED

☒ was filed on November 12, 1999 as United States Application

Number or PCT International Application No. 09/439,969

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/108,399
(Application Number)

November 13, 1998
(Filing Date)

60/114,849
(Application Number)

January 6, 1999
(Filing Date)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the attorneys and/or agents associated with
Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133,
Customer No. 21005,

and _____,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to:

☒ **Customer No. 21005**
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
530 Virginia Road
P.O. Box 9133
Concord, MA 01742-9133

or

☐ **Address as follows:**

Direct telephone calls to: Lisa M. Treannie, Esq. Telephone No.: 978-341-0036

Direct facsimiles to: Lisa M. Treannie, Esq. Facsimile No.: 978-341-0136

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor Hiten D. Madhani

Inventor's Signature _____ Date _____

Residence 216 Downey Street

San Francisco, California 94117

Citizenship United States of America

Post Office Address same as above

Full name of second joint

inventor, if any _____

Eric S. Lander

Inventor's Signature _____



Date _____

18 Dec 2001

Residence _____

151 Bishop Allen Drive

Cambridge, Massachusetts 02139

Citizenship _____

United States of America

Mailing Address _____

same as above